IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee:

Shen et al.

Assignee:

Atwood Mobile Products, Inc.

U.S. Patent No.:

5,573,648

Date Issued: November 12, 1996

Application No.:

381,718

Date Filed:

January 31, 1995

Title:

GAS SENSOR BASED ON PROTONIC CONDUCTIVE

MEMBRANES

Mail Stop Reissue Commissioner for Patents P.O. Box. 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR REISSUE APPLICATION OF U.S. PATENT No. 5,573,648

Dear Sir:

Enclosed for filing please find the following reissue application papers for the above referenced patent:

- (i) Return Receipt Postcard;
- (ii) Reissue Application Fee Transmittal Form;
- (iii) Power of Attorney or Authorization of Agent Form;
- (iv) Reissue Application Declaration by the Assignee;
- (v) Chart Showing Differences in Claim Language between the Original Patent Claims and the Presented Reissue Claims;
- (vi) Reissue Application Consent of the Assignee;
- (vii) Certificate Under 37 C.F.R. § 3.73(b);
- (viii) Preliminary Amendment;
- (ix) Copy of Specification, Figures and Claims of U.S. Patent No. 5,573,648;



Transmittal Letter for Reissue Application of U.S. Patent No. 5,573,648

Page 1 of 2

- (x) Statement Under 37 C.F.R. § 1.178(b); and
- (xi) Certificate of Express Mail.

The Commissioner is hereby authorized to charge all fees or credit overpayments to Deposit Account No. 19-0733.

Respectfully submitted, Shen et al.

Date: 17 July 2003

Peter D. McDermott (Reg. No. 29,411)

Attorney for Applicants

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Approved for use through 12/30/2000. OMB 0651-0033
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Approved for use through 12/30/2000. OMB 0651-0033 Under the Paperwork Reduction Act of 1995, no persons are required to resp

REISSUE APPLICATION FEE TRANSMITTAL FORM								Docket Number (Optional)				
011361.00064 Claims as Filed - Part 1												
Claims in		Number Filed in		(3)		Small Entity		Other than a Small Entity			tity	
Patent	Tatal Claims	Reissue	Application		nber Extra	Rate	Fee	<u> </u>	Rate	Fee		
(A) 78	Total Claims (37 CFR 1.16(j))	(B)	88	***	* 10 =	× \$=			x \$ <u>18_</u> =		180	
(C) 4	Independent claims (37 CFR 1.16(i))	(D)	9	*	5 =	x \$=		or	x\$ <u>84</u> =		420	
Basic Fee (37 CFR 1.16(h)) \$										\$	<u>75</u> 0	
Total Filing Fee							\$		OR	\$	1,350	
Claims as Amended - Part 2												
	(1)		(2)	(3)		SmallEntity		Other than a Small En			ntity	
Claims Remaini After Amendme				y Claims		Rate			Rate	Fee		
Total Claims (37 CFR 1.16(j)	***	MINUS	+*		Present * =	x\$ =		ļ	x\$ =			
Independent Claims (37 CFR 1.16(i)	***	MINUS	****		=		+	-		<u> </u>		
Claims (37 CFK 1.16(1)	9 1	<u>.</u> 1			Total Ac	x \$= Iditional Fee	\$	1	<u>x \$</u> =	\$		
* If the entry in (D) is less than the entry in (C), Write "0" in column 3.												
** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space. *** After any cancellation of claims.												
**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).												
***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).												
Applicant claims small entity status. See 37 CFR 1.27.												
Please charge Deposit Account No A duplicate copy of this sheet is enclosed.					in the amount of							
The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or												
credit any overpayment to Deposit Account No. $19-0733$ A duplicate copy of this sheet is enclosed.												
A check in the amount of \$ to cover the filing / additional fee is enclosed.												
Payment by credit card. Form PTO-2038 is attached.												
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.												
Date Date												
Peter D. McDermott (Reg. No. 29,411) Typed or printed name												

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CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Dear Sir:

Atwood Mobile Products, Inc., the owner of all right, title and interest to the above-referenced patent, states that it is:

The assignee of the entire, right, title and interest in the patent identified above by virtue of:

- (1) An Assignment from the inventors of the patent application/patent identified above to Atwood Industries, Inc. The assignment was duly recorded in the United States Patent and Trademark Office at Reel 007454, Frame 0737 on January 31, 1995; and
- (2) The documents attached to this Certificate show that Atwood Industries, Inc. made a capital contribution of all its assets to Atwood RV Products, Inc. The documents attached to this Certificate also show that Atwood RV Products, Inc., through a merger and name change, became Atwood Mobile Products, Inc.

The undersigned (whose title is supplied below) is authorized to act on behalf of

the assignee.

15 uly 2003

David Bovee Vice President

Dura Automotive Systems, Inc.

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CERTIFICATE OF EXPRESS MAIL

Dear Sir:

Express Mail Label No.: EV323344585US

Date of Deposit:

I hereby state that the following:

- (i) Return Receipt Postcard:
- (ii) Reissue Application Transmittal Letter (2 pages);
- (iii) Reissue Application Fee Transmittal Form (1 page in Duplicate);
- (iv) Power of Attorney or Authorization of Agent Form (2 pages);
- (v) Reissue Application Declaration by the Assignee (8 pages);
- (vi) Chart Showing Differences in Claim Language between the Original Patent Claims and the Presented Reissue Claims (395 pages);
- (vii) Reissue Application Consent of the Assignee (1 page);
- (viii) Certificate Under 37 C.F.R. § 3.73(b) (11 pages);
- (ix) Preliminary Amendment (25 pages);
- (x) Copy of Specification, Figures and Claims of U.S. Patent No. 5,573,648 (18 pages);
- (xi) Statement Under 37 C.F.R. § 1.178(b) (2 pages); and
- (xii) This Certificate of Express Mail (2 pages)

Certificate of Express Mail for Reissue Application of U.S. Patent No. 5,573,648 Page 1 of 2



are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Rachelle Chery

Signature of person mailing paper or fee

Addendum

Attachment 1

Gas Sensor Based on Protonic Conductive Membranes